

## DECLARATION and POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**PURIFICATION OF DIFLUOROMETHANE BY EXTRACTIVE DISTILLATION**

the specification of which is attached hereto unless the following box is checked:

☒ was filed on **12 AUGUST 1998** as U.S. Application No. **PCT/US98/16689** or PCT International Application No. \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known to me to be material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Application No.	Country	Filing Date	Priority Claimed (Yes/No)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States Provisional Application(s) listed below.

U.S. Provisional Application No.	U.S. Filing Date
60/6055,502	08/12/97

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International Application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or PCT International Application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is known to me to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

Application No.	Filing Date	Status (patented, pending or abandoned)

**POWER OF ATTORNEY:** I hereby appoint the following attorney(s) and/or agent(s) the power to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:Name: **JAMES E. SHIPLEY**Registration No.: **32,003**

Send correspondence and direct telephone calls to:

**JAMES E. SHIPLEY**
**E. I. du Pont de Nemours and Company**  
**Legal - Patents**  
**Wilmington, DE 19898, U.S.A.**
Tel. No.  
**(302) 892-8160**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

**INVENTOR(S)**

Full Name of Inventor	Last Name	First Name	Middle Name
<b>BOEHMER</b>	<b>BOEHMER</b>	<b>SARA</b>	<b>W.</b>
Signature (please sign full name): <i>Sara Willett Boehmer</i>			Date: <b>9/15/98</b>
Residence & Citizenship	City	State or Foreign Country	Country of Citizenship
<b>NEWARK</b>	<b>NEWARK</b>	<b>DELAWARE</b> <i>DE</i>	<b>U.S.A.</b>
Post Office Address	Post Office Address	City	State or Country
<b>6 GIBBS LANE</b>	<b>6 GIBBS LANE</b>	<b>NEWARK</b>	<b>DELAWARE</b>
Full Name of Inventor	Last Name	First Name	Middle Name
<b>MAHLER</b>	<b>MAHLER</b>	<b>BARRY</b>	<b>ASHER</b>
Signature (please sign full name): <i>Barry Asher Mahler</i>			Date: <b>9/17/98</b>
Residence & Citizenship	City	State or Foreign Country	Country of Citizenship
<b>GLEN MILLS</b>	<b>GLEN MILLS</b>	<b>PENNSYLVANIA</b> <i>PA</i>	<b>U.S.A.</b>
Post Office Address	Post Office Address	City	State or Country
<b>104 CARTER WAY</b>	<b>104 CARTER WAY</b>	<b>GLEN MILLS</b>	<b>PENNSYLVANIA</b>
Full Name of Inventor	Last Name	First Name	Middle Name
<b>MILLER</b>	<b>MILLER</b>	<b>RALPH</b>	<b>NEWTON</b>
Signature (please sign full name): <i>Ralph Newton Miller</i>			Date: <b>9/15/98</b>
Residence & Citizenship	City	State or Foreign Country	Country of Citizenship
<b>NEWARK</b>	<b>NEWARK</b>	<b>DELAWARE</b> <i>DE</i>	<b>U.S.A.</b>
Post Office Address	Post Office Address	City	State or Country
<b>39 HILLSTREAM ROAD</b>	<b>39 HILLSTREAM ROAD</b>	<b>NEWARK</b>	<b>DELAWARE</b>
			Zip Code
			<b>19711</b>

☐ Additional Inventors are being named on separately numbered sheets attached hereto.

**GENERAL POWER OF ATTORNEY**  
(Concerning Several International Patent Applications)

The undersigned, Howard J. Rudge, Senior Vice President and General Counsel of E. I. DU PONT DE NEMOURS AND COMPANY, 1007 Market Street, Wilmington, Delaware 19898 USA ("DuPont"), hereby confirms that the power to sign for DuPont has been granted to various individuals (as set forth in the attached excerpt from DuPont's Patent Board Rules of Procedure (January 1988), Appendix Section III.A.4), including the Chairman, Vice-Chairman, and those individuals who are Assistant Secretaries of the Patent Board. Currently these Assistant Secretaries are:

Alanson G. Bowen, Jr.  
Linda J. Davis  
John E. Griffiths

Miriam D. Meconnahey  
Dorothy W. Shafer  
Deborah A. Meginniss

In addition, the authority to act on behalf of DuPont before the competent International Authorities in connection with any and all international patent applications filed by it with the United States as Receiving Office and to make or receive payments on its behalf is hereby granted to:

Belopolsyy, Inna	43,319	Joung, J. Kenneth	41,885
Benjamin, Steven C.	36,087	Katz, Elliott A.	26,396
Birch, Linda D.	38,719	Kelly, Patricia L.	39,247
Bowen, Jr., Alanson G.	24,027	King, Karen K.	34,850
Burgess, Richard H.	22,292	Krukiel, Charles E.	27,344
Christenbury, Lynne M.	30,971	Jarnholm, Arne R.	30,396
Deitch, Gerald E.	30,457	Levitt, Cary A.	31,848
Deshmukh, Sudhir	33,677	Magee, Thomas H.	27,355
Dobson, Kevin S.	40,296	Majarian, William R.	41,173
Duffy, Roseanne R.	33,869	Malinowski, Andrea V.	33,012
Edwards, Mark A.	39,542	Mayer, Nancy S.	29,190
Estrin, Barry	26,452	McGee, Patricia	37,391
Evans, Craig H.	31,825	Medwick, George M.	27,456
Fair, Tamera L.	35,867	Morrissey, Bruce W.	30,663
Feltham, S. Neil	36,506	Santopietro, Lois A.	36,264
Floyd, Linda Axamethy	33,692	Schaeffer, Andrew L.	33,605
Frank, George A.	27,636	Shafer, Robert J.	24,437
Fricke, Hilmar L.	22,384	Shay, Lucas K.	34,724
Golian, Andrew G.	25,293	Shipley, James E.	32,003
Gorman, Thomas W.	31,959	Siegell, Barbara C.	30,684
Gould, David J.	25,338	Steinberg, Thomas W.	37,013
Griffiths, John E.	32,647	Stevenson, Robert B.	26,039
Hamby, Jane O.	32,872	Strickland, Frederick D.	39,041
Hamby, William H.	31,521	Tessari, Joseph A.	32,177
Heiser, David E.	31,366	Tulloch, Rebecca W.	36,297
Hendrickson, John S.	30,847	Walker, P. Michael	32,602
Jones, Brian C.	37,857	Wang, Chen	38,650

The undersigned ratifies fully all actions already taken by the above-named individuals in accordance with the authority granted hereby.

E. I. DU PONT DE NEMOURS AND COMPANY

By: Howard J. Rudge  
Howard J. Rudge  
Senior Vice President and General Counsel

Date: July 15, 1999

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